

SUPPORT NO.	ARM	NUMBER OF LUMINAIRES OR BRACKET ARMS	LUMINAIRE/ BRACKET ARM LENGTH*	SIGNAL OR SIGN?	SIGNAL/ SIGN NO.	ATTACHMENT DISTANCE FROM SUPPORT POLE		SIGNAL HEAD TYPE (12 IN. LENS)	SIGN SIZE		AREA	ATTACHMENT LENGTH * AREA	L	DAMPER REQUIRED? (Incidental to Support item; CM&S 632 and SCD TC-81.22)	K	EXISTING TC-81.21 DESIGN NO.*	K-MAX
			FT			NO.	FT		IN	SQ. FT.			TOTAL MAST ARM LENGTH*		AREA MOMENT DESIGN FACTOR		TC-81.21 K-MAX PER 2016 TEM
													FT				
SP-1	-	0	-	SIGN	Sn9	L1	8	-	18	90	11.3	90.0	45	-	1494.6	11	1780
				SIGNAL	4A	L2	18	5 SECTIONS - CLUSTER	-	-	12.4	223.2					
				SIGNAL	4B	L3	27	3 SECTIONS	-	-	8.7	234.9					
				SIGNAL	7A	L4	38	4 SECTIONS	-	-	11.0	418.0					
			-	SIGN	Sn10**	L5	38	-	8	36	2.0	76.0					
				SIGN	Sn19	L6	22	-	30	30	6.3	137.5					
				SIGN	Sn23	L7	42	-	30	36	7.5	315.0					
				-	-	L8	-	-	-	-	-	-					
SP-2	-	1	30	SIGN	Sn11	L1	10	-	18	90	11.3	112.5	60	-	1814.05	13	2380
				SIGNAL	6A	L2	20	3 SECTIONS	-	-	8.7	174.0					
				SIGNAL	6B	L3	34	3 SECTIONS	-	-	8.7	295.8					
				SIGNAL	1A	L4	46	4 SECTIONS	-	-	11.0	506.0					
			-	SIGN	Sn12**	L5	46	-	8	36	2.0	92.0					
				SIGN	Sn13	L6	50	-	30	36	7.5	375.0					
				SIGN	Sn20	L7	27	-	30	30	6.3	168.8					
				-	-	L8	-	-	-	-	-	-					
SP-3	-	1	25	SIGN	Sn14	L1	7	-	18	90	11.3	78.8	47	-	1853.8	12	1995
				SIGNAL	8A	L2	25	5 SECTIONS - CLUSTER	-	-	12.4	310.0					
				SIGNAL	8B	L3	34	3 SECTIONS	-	-	8.7	295.8					
				SIGNAL	3A	L4	46	4 SECTIONS	-	-	11.0	506.0					
			-	SIGN	Sn15**	L5	46	-	8	36	2.0	92.0					
				SIGN	Sn21	L6	29	-	30	30	6.3	181.3					
				SIGN	Sn24	L7	42	-	30	36	7.5	315.0					
				-	-	L8	-	-	-	-	-	-					
SP-4	-	0	-	SIGN	Sn16	L1	4	-	18	90	11.3	45.0	58	-	1580.8	13	2380
				SIGNAL	2A	L2	10	5 SECTIONS - CLUSTER	-	-	12.4	124.0					
				SIGNAL	2B	L3	29	3 SECTIONS	-	-	8.7	252.3					
				SIGNAL	5A	L4	49	4 SECTIONS	-	-	11.0	539.0					
			-	SIGN	Sn17**	L5	49	-	8	36	2.0	98.0					
				SIGN	Sn18	L6	53	-	30	36	7.5	397.5					
				SIGN	Sn22	L7	20	-	30	30	6.3	125.0					
				-	-	L8	-	-	-	-	-	-					

* EXISTING ARM LENGTHS AND TC-81.21 SUPPORT NUMBER WAS APPROXIMATED BASED ON FIELD MEASUREMENTS.

** ACTUAL SIZE IS 30 X 36, WIDTH REDUCED TO 8 INCHES TO ONLY CAPTURE AREAS THAT DO NOT OVERLAP WITH 4-SECTION SIGNAL HEAD FOLLOWING TEM 240-4.1 GUIDANCE.

4-SECTION HEAD WIDTH (1.86 FT) IS CALCULATED BASED ON TEM TABLE 497-5 AREA (11.0 SF) DIVIDED BY TEM TABLE 497-6 HEIGHT (5.9 FT).